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Engineering
Consultants*File ACT/015/025-2
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24 September 1991

Pamela Grubaugh-Littig
Permit Supervisor
Utah Division of Oil Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Ms. Grubaugh-Littig;

Re: NOV #N91-26-7-2, Primary Road Drainage Controls and Enlarged Shop Pad. Bear Canyon Mine, Co-Op Mining Company, ACT/015/025, Emery County, Utah

Enclosed are 2 copies of pages 7-87 (Table 7.2-10) and 7-89 (Table 7.2-11) along with pages 7G-78 thru 7G-85 and Plates 7-1B and 7-1C. These pages and plates are submitted to close the mine plan issues involved with the referenced NOV. New ditch numbers have been added to the Plates and table and calculations are supplied to add to Appendix 7-G. Ditch and culvert numbers in the tables match those shown on the Plates. The two new proposed culverts were designed using the design data for ditch D-3D and Figure 7.2-4.

New road base material is being added to the primary roads and roads are being graded to provide adequate slope to eliminate uncontrolled surface road runoff. Ditches have been reestablished and improperly placed berms etc. have been removed. Ditch D-3D has been relocated slightly to provide a more maintainable drainage channel.

This submittal has been marked "DRAFT" to differentiate it from the approved plan. Please review the submitted plates and pages and notify me of any concerns. Four copies of text and certified Plates will be forwarded to the Division upon approval.

Thank you,



Kimly C. Mangum, P.E.
Permitting & Compliance Consultant

cc: Wm. J. Malencik
Co-Op Mining Co.

RECEIVED

SEP 25 1991

DIVISION OF
OIL GAS & MINING